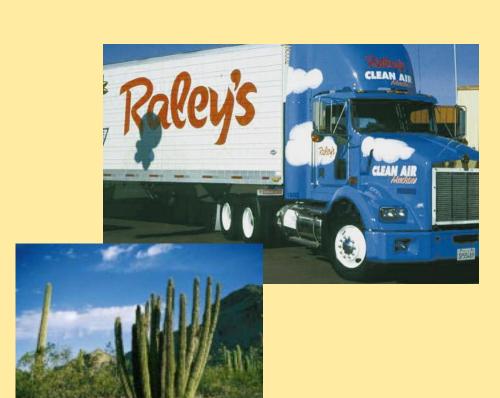
ExploringLow Emission Diesel Engine Oils

January 30 – February 1, 2000 Holiday Inn SunSpree Resort Scottsdale, AZ



Diesel engine manufacturers, engine oil producers, additive manufacturers, alternative fuel and oxygenate producers, NO_X and PM catalyst manufacturers, tribologists, green engine oil producers, government, and researchers exchange ideas and perspectives on the future of diesel engine oils with reduced emissions for future generations of diesel engines.

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Take part in this special opportunity to direct the future of diesel engine oil research & development as government and industry seeks to minimize the emissions that result from diesel engine oils while maintaining or enhancing performance



features in a changing world. Stricter emission regulations, new engine and catalyst technologies, alternative fuels and fuel additives all pose challenges in formulating new, low emission diesel engine oils. Improved diesel engine oils can reduce emissions, enhance the performance of emission controls, and enable new diesel technologies for the future. Share your insights on the opportunities, challenges, needs, priorities, and research recommendations with this important gathering.



Topics Include:

- Catalyst and diesel EGR requirements for new engine oils
- New diesel fuel and fuel additive interaction with diesel engine oils
- Diesel engine oil base, additives, and performance issues
- Green diesel engine oils research, development and demonstration

Low Emission Diesel Engine Oils

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Preliminary Agenda

January 30, 2000

6:00 - 9:00 PM Registration

7:00 - 9:00 PM Margarita Reception

January 31, 2000

8:00 AM Continental Breakfast

8:30 Introductions and Welcome

9:15

10:15 Break

NEEDS" Panel Discussion

- Emerging Diesel Engine Technologies
- Diesel Emission Catalysts and Traps
- Base Oil Changes
- Lessons Learned from Automotive Lubricants

12:00 Lunch

- Base Oils
- Lubricant Additives
- Green Engine Oils
- Renewable Engine Oils
- Tribology Needs



3:30 - 3:45 Break

Preliminary Agenda (continued)

3:45 - 5:15 "PARTICULATE STUDIES" Technical Presentations

- Engine Oil Contributions to Emissions
- Diesel Emission Controls
- Particulate Morphology

5:15 - 7:00 PM Reception and Dinner

5 minute discussions on relevant topics by volunteers

February 1, 2000 8:00 AM Continental Breakfast

8:30 - 10:30 "EMERGING ISSUES" Technical Presentations

- NO_x Catalysts
- Alternative Fuels
- Fuel Reformulation
- Synthetic Oil Technology
- Market Development Issues

10:30 - 10:45 Break

10:45 – 12:00 PM Break-out Workgroups

12:00 - 1:00 Lunch

1:00 – 2:30 Break-out Workgroups

2:30 - 2:45 Break



3:00 – 4:30 Break-out Reports – Needs and Program Recommendations

4:30 - 5:00 PM Wrap-up

The Holiday Inn SunSpree Resort Scottsdale is the perfect blend of a destination resort and convention hotel. This first-class Resort in Scottsdale, Arizona, has a new 18-hole golf course, lighted tennis and croquet courts, fitness center, pool and whirlpool, live entertainment with great dining, and nearby shopping and sightseeing. In addition, facilities include 15,000 square feet of meeting and banquet space that can accommodate groups of up to 600 people. Local recreation includes hot air ballooning, desert jeep and helicopter tours, micro breweries, hiking, cultural museums, bicycling and shopping in the lovely Scottsdale/Phoenix area. For more recreational ideas see www.arizonaguide.com.

7601 E. Indian Bend Rd. SCOTTSDALE, AZ 85250 Phone: +1-480-991-2400 Toll-free: +1-800-852-5205

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sunspree@getnet.com

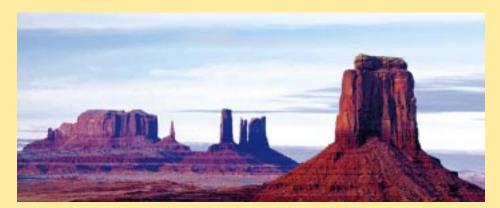
Conference rate:

\$120.00 single. Please make reservations as early as possible to guarantee availability during popular season.



Airport: Phoenix Sky Harbor Airport, Arizona, USA.

Local Transporation: SuperShuttle, \$12/person, 1-602-244-9000 or 1-800-258-3826



Low Emission Diesel Engine Oils

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REGISTRATION FORM

Name	
Affiliation	
Address	
City	State/Province
Country	Zip/Postal
Phone	Fax
E-mail	
Dates of Attendance:	
Date arrival ————	Date departure —
REGISTRATION: Includes 2 receptions, 2 breakfasts, 2 lunches,	
1 dinner, and 2 coffee breaks each day. \$125	
DOE and national laboratory employees and contractors call Cricket Pierce at 1-303-275-4326 for separate registration form.	
Payments: Credit card, travelers checks, personal or company check made out to National Renewable Energy Lab (NREL). No Cash. Funds must be drawn against a U.S. Bank, otherwise include an additional \$50 to cover processing. Refund/Cancellation: We understand that sometimes plans change. All refund requests submitted in writing and postmarked by January 2, 2000 will be issued in full. Substitutions may be made at any time.	
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